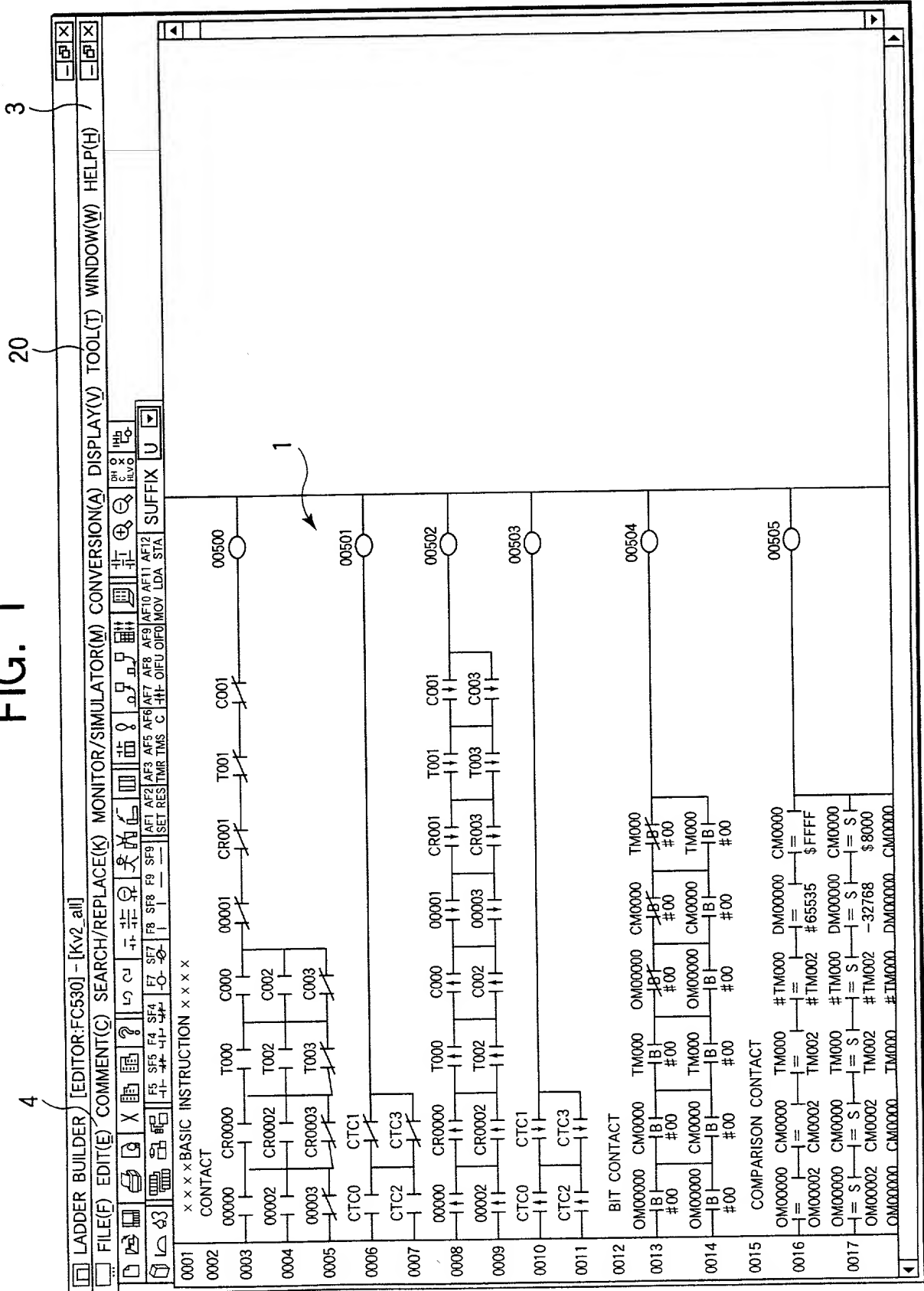


FIG. 1



LADDER BUILDER [EDITOR:FC530] [Kv2 all]

FILE(F) EDIT(E) COMMENT(C) SEARCH/REPLACE(K) MONITOR/SIMULATOR(M) CONVERSION(A) DISPLAY(V) TOOL(T) WINDOW(W) HELP(H)

F5 SF5 F4 SF4 F7 SF7 F8 SF8 F9 SF9 AF1 AF2 AF3 AF5 AF6 AF7 AF8 AF9 AF10 AF11 AF12 SET RES TMR TMS C I H OPU MOV LDA STA

SUFFIX U

x x x BASIC INSTRUCTION x x x

CONTACT

0001 CR0000 T000 C00

0002 CR0000 T000 C00

0003 CR0002 T002 C00

0004 CR0003 T003 C00

0005 CTC0 CTC1

0006 CTC2 CTC3

0007 CR0000 T000 C00

0008 CR0002 T002 C00

0009 CTC0 CTC1

0010 CTC2 CTC3

0011 BIT CONTACT

0012 OM0000 CM0000 TM000 IB1 #00

0013 OM0000 CM0000 TM000 IB1 #00

0014 OM0000 CM0000 TM000 IB1 #00

0015 COMPARISON CONTACT

0016 OM0000 CM0000 TM000 IB1 #00

0017 OM0000 CM0000 TM000 IB1 #00

INPUT OF INSTRUCTION WORD

BASIC INSTRUCTION

LD LDB AND ANB ORB LDP LDF ANP ANF ORP

BIT CONTACT

COMPARISON CONTACT

APPLICATION INSTRUCTION

SHIFT MEMORY SWITCH STEP STAGE PROCEEDING FLOW CALCULATION INSTRUCTION DATA TRANSFER ARITHMETIC/COMPARISON ARITHMETIC LOGIC CALCULATION DATA SHIFT DATA CONVERSION

INSTRUCTION GROUP

BASIC (B) APPLICATION (A) CALCULATION (C) EXPANSION (E)

TYPE OF INSTRUCTION WORD (K)

CONTACT MNEMONIC (N)

LDF

A CONTACT WHERE A SCAN IS ON WHEN REFERENCE RELAY IS OFF IS CONNECTED TO BUS

SUFFIX-DIFFERENTIATION

OPERA ND

FIRST OPERAND (1) SECOND OPERAND (2) THIRD OPERAND (3)

OPERAND DESCRIPTION

R CB I C DM CM TM PM BP BiB x S

-VALUE

A B C D 7 8 9 E 4 5 6 F 1 2 3 - 0 . BS CLR

RANGE OF OPERAND

INSERTION WORD HELP (H) OK CANCEL

CTC3

12 13

14 16

5 9 10 11

6

2



FIG. 4

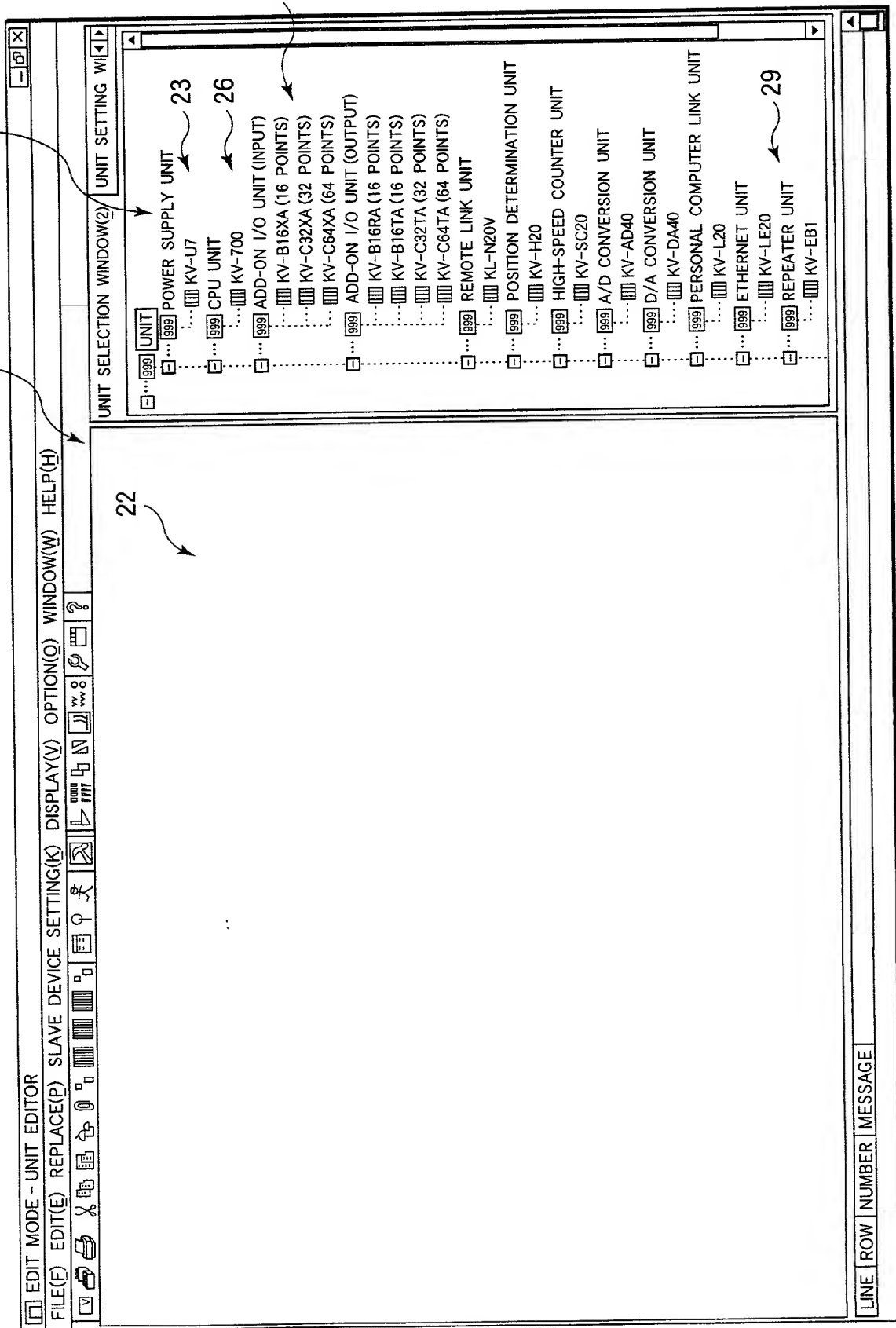


FIG. 5

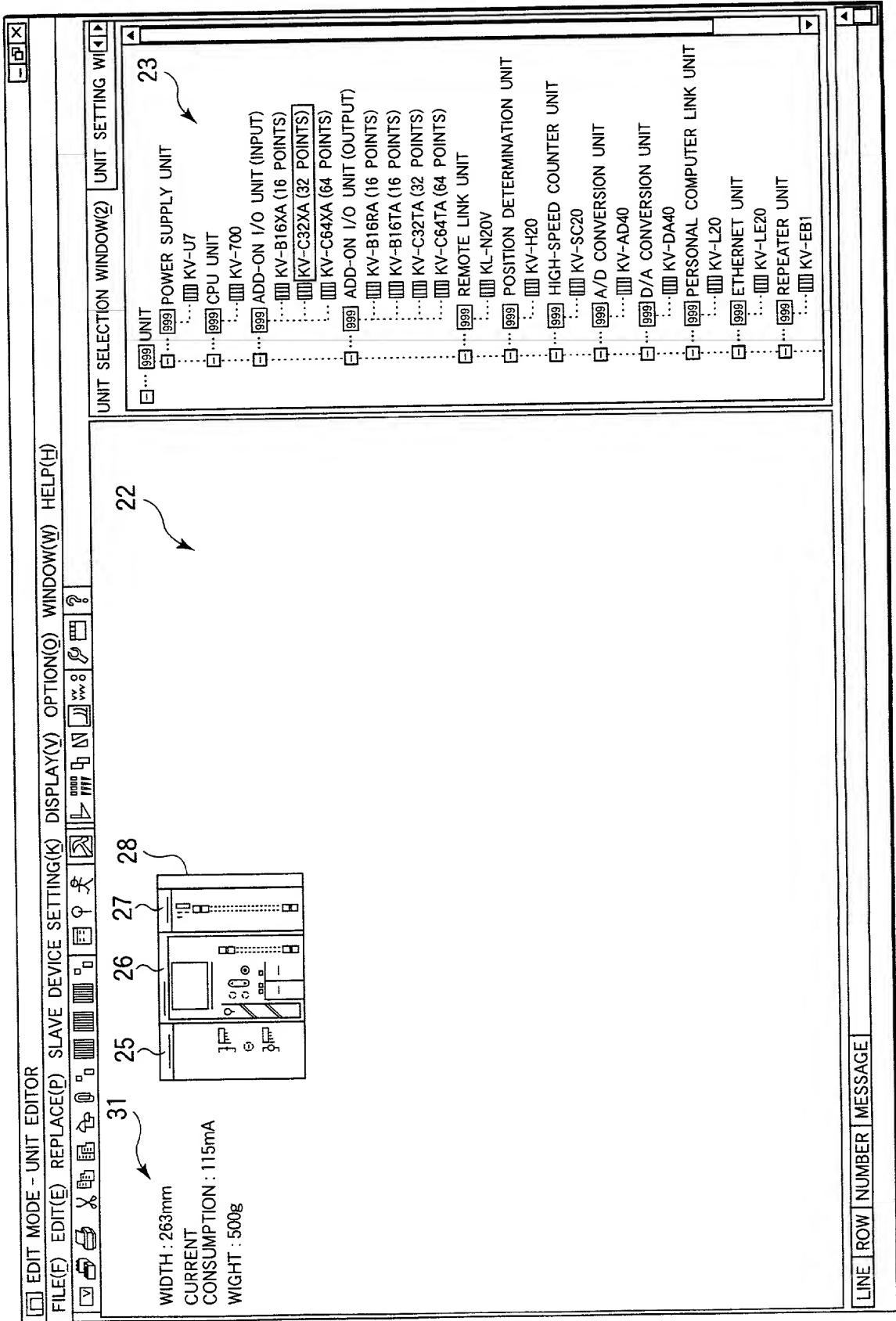


FIG. 6

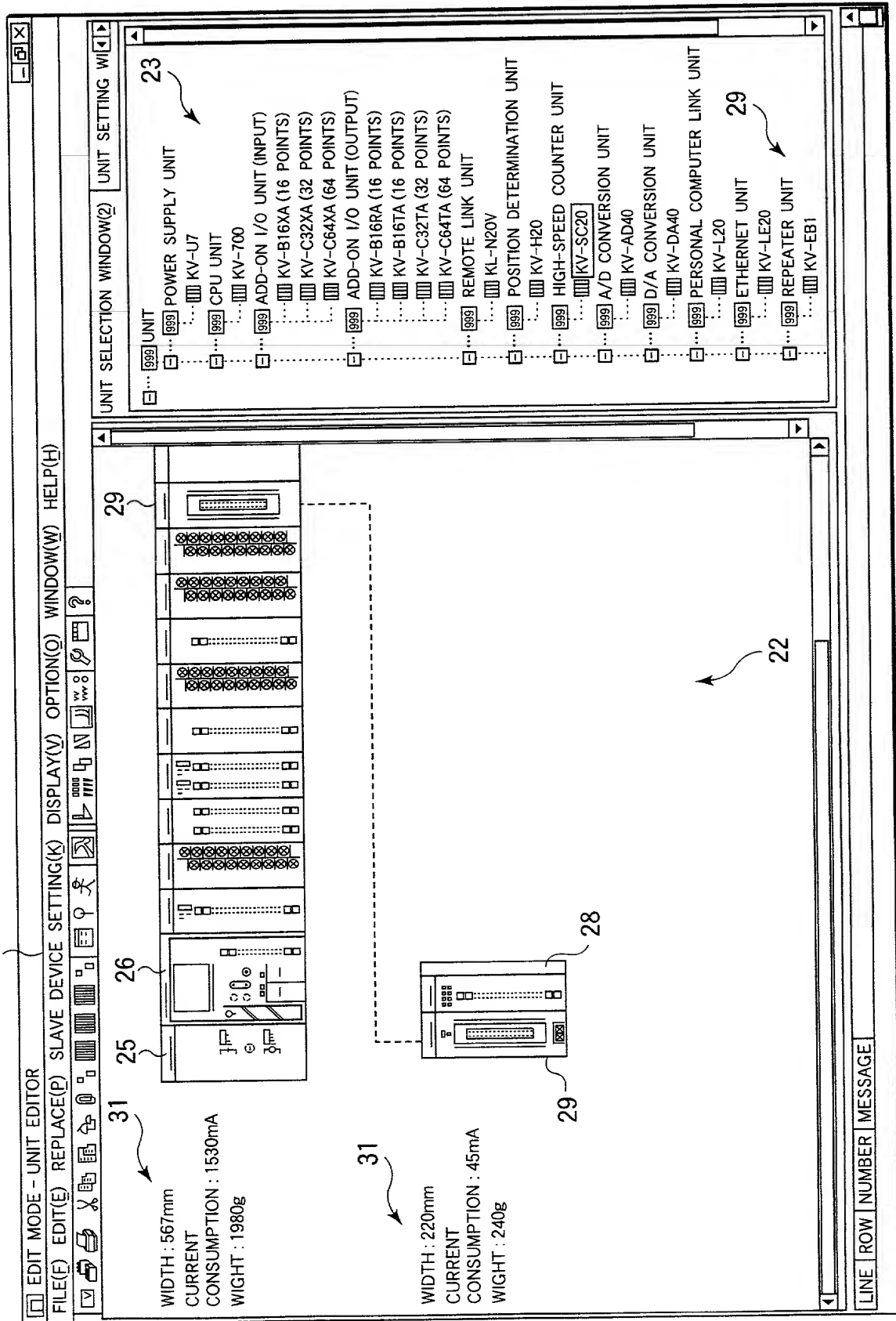


FIG. 7

EDIT MODE - UNIT EDITOR

FILE(F) EDIT(E) REPLACE(R) SLAVE DEVICE SETTING(K) DISPLAY(V) OPTION(O) WINDOW(W) HELP(H)

WIDTH : 567mm  
CURRENT CONSUMPTION : 1530mA  
WIGHT : 1980g

WIDTH : 220mm  
CURRENT CONSUMPTION : 45mA  
WIGHT : 240g

OPTION SETTING

BASIC SETTING COLOR SETTING DEVICE LAYOUT SETTING SETTING OF THE OTHERS

UNIT PLACEMENT WINDOW

DISPLAY MAGNIFICATION

☐ 200%(1) ☐ 75%(5)  
☐ 150%(2) ☐ 50%(6)  
☐ 125%(3) ☐ 25%(7)  
☐ 100%(4) ☐ DESIGNATION(8)

FONT SIZE (S)

12 POINT

\* SET FONT SIZE EXCEPT UNIT OPERATION WINDOW

☒ DISPLAY UNIT AS BIT MAP (B)  
☒ MOVE CURSOR BY BASE UNIT (C)  
☒ DISPLAY UNIT CURSOR AT ALL TIMES (V)  
☐ DISPLAY UNIT CURSOR BLINKING ON AND OFF (F)  
☐ DO CURSOR DRAW AT HIGH SPEED (M)  
 \* DO NOT CHECK WHEN MEMORY IS NOT ENOUGH  
 THERE IS POSSIBILITY THAT THE SPEED DECREASES DUE TO OPERATION ENVIRONMENT  
☐ MOVE CURSOR EXPANSION/REDUCTION (W) AND MAKE WITH WHEEL MOUSE  
 \* THERE IS POSSIBILITY THAT ONE CANNOT USE DUE TO VERSION OF MOUSE DRIVER/OS

33

UNIT SELECTION WINDOW(2)

UNIT SETTING WINDOW(1)

UNIT

999 POWER SUPPLY UNIT  
 999 KV-U7  
 999 CPU UNIT  
 999 KV-700  
 999 ADD-ON I/O UNIT (INPUT)  
 999 KV-B16XA (16 POINTS)  
 999 KV-C32XA (32 POINTS)  
 999 KV-C64XA (64 POINTS)  
 999 ADD-ON I/O UNIT (OUTPUT)  
 999 KV-B16RA (16 POINTS)  
 999 KV-B16TA (16 POINTS)  
 999 KV-C32TA (32 POINTS)  
 999 KV-C64TA (64 POINTS)  
 999 REMOTE LINK UNIT  
 999 KL-N20V  
 999 POSITION DETERMINATION UNIT  
 999 KV-H20  
 999 HIGH-SPEED COUNTER UNIT  
 999 KV-SC20  
 999 A/D CONVERSION UNIT  
 999 KV-AD40  
 999 D/A CONVERSION UNIT  
 999 KV-DA40  
 999 PERSONAL COMPUTER LINK UNIT  
 999 KV-L20  
 999 ETHERNET UNIT  
 999 KV-LE20  
 999 REPEATER UNIT

23

34

OK CANCEL

LINE ROW NUMBER MESSAGE

FIG. 8

EDIT MODE - UNIT EDITOR

FILE(F) EDIT(E) REPLACE(P) SLAVE DEVICE SETTING(K) DISPLAY(V) OPTION(Q) WINDOW(W) HELP(H)

UNIT SETTING WINDOW (3)

ITEM	SETTING VALUE
THE NUMBER OF HEAD OUTPUT RELAY	... 100
THE NUMBER OF USED RELAY (*)	... 16

37

35A 35

KV-U7	KV-700 QL UN- CONNECTED	KV-C32XA UNSOLVED   UNSOLVED	KV-B16RA UNSOLVED   UNSOLVED	KV-B16TA UNSOLVED   UNSOLVED	KV-B16RA 10000   10015	KV-EB1
-------	-------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------	--------

36

KV-EB1	KV-SC20 UNSOLVED   UNSOLVED	END UNIT
--------	--------------------------------------	----------

35

LINE ROW NUMBER MESSAGE

9  
G.  
F

UNIT SETTING WINDOW (3)	
ITEM	SETTING VALUE
THE NUMBER OF HEAD OUTPUT RELAY ... 100	
THE NUMBER OF USED RELAY (*) ... 16	

**35A**

KV-U7	KV-700 QL UN- CONNECTED	KV-C32XA UNSOLVED   UNSOLVED	KV-B16RA 10000   10015	KV-B16TA UNSOLVED   UNSOLVED	KV-B16RA 10000   10015	KV-EB1
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**35**

KV-EB1	KV-SC20 UNSOLVED   UNSOLVED	END UNIT
--------	--------------------------------------	----------

FIG. 10

UNIT SETTING WINDOW (3)				
ITEM	SETTING VALUE			
THE NUMBER OF HEAD INPUT RELAY ... 0				
THE NUMBER OF USED RELAY (*) ... 32				
INPUT TIME CONSTANT				
<div style="display: flex; justify-content: space-between;"> <div> 40 </div> <div> 10ms (*) 10ms (*) 1ms 25 <math>\mu</math>s </div> </div>				

KV-U7	KV-700 QL UN- CONNECTED	KV-B16RA 1000   1015	KV-C32XA	KV-B16TA UNSOLVED   UNSOLVED	KV-B16XA UNSOLVED   UNSOLVED	KV-EB1
-------	-------------------------------	-------------------------------	----------	---------------------------------------	---------------------------------------	--------

KV-EB1	KV-B16TA UNSOLVED   UNSOLVED	END UNIT
--------	---------------------------------------	----------

WIDTH : 377mm  
CURRENT  
CONSUMPTION : 530mA  
WIGHT : 990g

WIDTH : 138mm  
CURRENT  
CONSUMPTION : 200mA  
WIGHT : 360g

LINE	ROW	NUMBER	MESSAGE

FIG.11

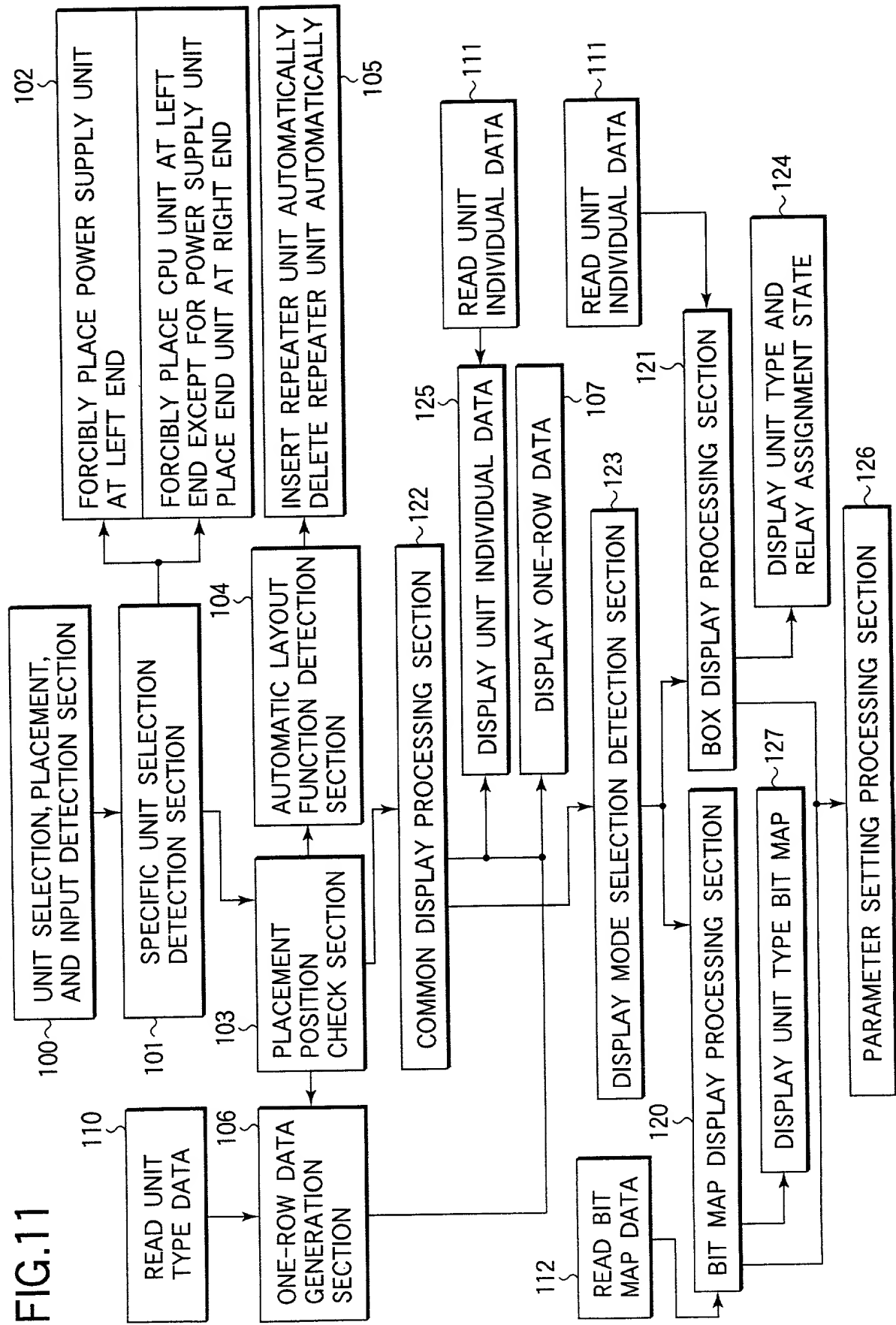


FIG.12

110

UNIT TYPE DATA FILE		
16-POINT INPUT UNIT	32-POINT OUTPUT UNIT	POSITIONING UNIT
WIDTH OF UNIT	WIDTH OF UNIT	WIDTH OF UNIT
WEIGHT	WEIGHT	WEIGHT
CURRENT CONSUMPTION	CURRENT CONSUMPTION	CURRENT CONSUMPTION
CORRESPONDING BIT MAP ADDRESS	CORRESPONDING BIT MAP ADDRESS	CORRESPONDING BIT MAP ADDRESS

FIG.13

INDIVIDUAL DATA FILE
IDENTIFICATION NUMBER
UNIT TYPE
ASSIGNED RELAYS
OPERATION CONDITION PARAMETER

111

FIG.14

112

BIT MAP DATA FILE		
16-POINT INPUT UNIT	32-POINT OUTPUT UNIT	POSITIONING UNIT